

W6OTX**W6ARA**

PAARA NEWSLETTER
VOLUME 76, NUMBER 12, December

K6OTA**K6YQT**

PAARAgraphs



The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.

The Friendliest Club Around

Celebrating 88 years as an *active* amateur radio club—Since 1937

<http://www.paara.org/>



Hear about the latest happenings at Elecraft

Eric Swartz, WA6HHQ

Eric Swartz, WA6HHQ, is Elecraft's Chief Operating Officer, a co-designer of Elecraft's K4, K3S, K2, and other Elecraft products. He co-founded Elecraft in 1998 with Wayne Burdick, N6KR. Licensed for over 51 years, his early interest in Amateur Radio led him to a career in electronic design and management. He received his B.S. in Engineering and Applied Science (Electronics) from Yale University in 1979 and has been involved in several successful Silicon Valley startups. Prior to Elecraft, Eric was co-founder and President of Verisys, a test equipment manufacturer of high-performance protocol analyzers for the computer and mass storage market.

Eric will also take your questions and comments, including your ideas for new products!

**This meeting will be a
Hybrid Meeting
Zoom and In Person**

Time: Dec 5, 2025 07:00 PM Pacific Time
Please check <https://www.paara.org> for
Zoom Details

Upcoming Events

Dec 5	PAARA General Meeting,
Jan 9	7:00 PM to ~9:30PM
Feb 6	Zoom and In Person Meeting. 
Dec 17	Board Meeting, 7:00 PM.
Jan 21	Everyone welcome! Zoom Meeting,
Feb 18	eMail President for details.

President's Corner

I'd like to reflect a bit on 2025 since this was my first year serving as President of PAARA. The club has had a really great year starting with Homebrew Night in March, two PAARA in the Park events, the Electronics Flea Market, Field Day, a really fun field trip to the USS Hornet, Pacificon, weekly nets, and of course, monthly meetings with raffles, and pizza and conversation for those who stay for the meeting-after-the-meeting. In addition, club



(President — Continued on page 4)

?
Question
of the
MONTH

What are the WARC bands?
How and when did they originate?

Ham Radio Girl Scout JOTA

Alice KO6KZO
October 18, 19 2025.

My name is Alice, KO6KZO, (PAARA, ARRL, YLRL, LICW) and I led my Redwood City Girl Scout troop (8-10 YO) in a series of activities for Jamboree On The Air (JOTA), along with my father KM6AM and guest operators Jenya (KG5JXW) and Rebecca. JOTA is the biggest scout event in the world and this year there were more than 650,000 participants worldwide.

On Saturday October 18th I introduced my fellow girl scouts to Amateur Radio. I provided a brief overview of how radio affects our lives. After that I told them about activities I enjoy, For example: YLRL, SOTA, PO-TA, PAARA, and talking to the ISS. Then I talked about what Fox-hunting is and tactics with the Moxon Antenna and the Loop Antenna. Then we had a break where the girls tried out fox-hunting using a fox we brought along, a loop antenna, and an HT. Next I introduced them to morse code. We each made a straight key sounder out of clothespins and some scrap wood. We all had a great time and it was actually hard to get my fellow girl scouts together for JOTA procedures.



After that we talked about protocol so the next day we could talk to lots of people.

On Sunday, six to seven of my fellow girl scouts came over to Kite hill to do JOTA ham radio. The set up was simple. We set up a TS-590SG with an 18 Ah battery. We used a homemade vertical antenna and an end-fed half wave antenna. We used my call sign first for ten meters, and then my friend Jenya stepped in to let us use 20 meters with her extra privileges. Geny, Lilah, and I went out to go fox-hunting. After a few minutes they found the fox and I allowed them to move the fox so my fellow girl scouts would not see it when we found them and go straight to the foxes. I had a few more scouts go fox-hunting and then a space station passed over and Jenya made two contacts during the satellite pass. Next Jenya and her friend Rebecca gave a talk about satellites since both of them worked on a satellite. My friends really enjoyed it and it got some of them thinking of getting their own license.

P.S. For prep we contacted some scouts in Auckland and we learned a lot of cool places to go there.

P.S.S. Can you find the popular middle school meme here? If you can, a big high five to you. Good luck!

Nov 2025 Board Meeting Minutes

In attendance were President Bob Ridenour KN6YGN, Vice President Rob Fenn KC6TYD, Secretary Ric Hulett N6AJS, Treasurer Margaret Cooper K6WEK, Directors Doug Teter KG6LWE, Darryl Presley KI6LDM, Walt Gyger K6WGY, and Sorin Constantinescu KN6YUH. Also present was Clark Martin KK6ISP (ASVARO rep), and Connie Stillinger, W6EFI. A quorum was present.

The meeting was called to order at 7:12 pm.

Officer Reports

- President's Report (Bob):
 - Ric did a great job with the Last Call for Frank Fox AF0XX on Monday's net. It might make sense to update the net control script to include how to perform a Last Call for future reference.
 - I have been unable to configure Zelle to allow anyone other than me to send reimbursements from the bank account or for payments sent to the account to be sent to payments@paara.org. We should discuss whether to revisit the decision to pay reimbursements via Zelle given that it can't be done by the treasurer.
I will discuss further with our bank.
- Secretary's Report (Ric):
 - PAARA memberships expire on December 31 - at this time we have 209 club members, and we have received 76 renewals. 133 members have yet to renew for 2026.
 - Renewal of license and change of trustee for K6YQT: No action this month. This item is next on the Secretary's priority list.
- Treasurer's Report (Margaret):
 - Raffle permit has been accepted by the state, we are good for 2026 raffles.
 - Quarterly banking tasks have been completed.
 - I have entered transactions from 7/1/24 forward into our new software, GnuCash.
 - The club's checking account and cash have been reconciled. PayPal is more difficult but almost up to date.

- Property values are not yet reconciled. We plan to complete this before 2025 taxes.
- Going forward I propose we treat all club equipment with a cost (or group purchase cost) over \$500, and a life of over one year, as capital equipment. We can then assign useful life and salvage value, and accumulate depreciation for reporting.

A group of computers costing over \$500 in sum would be capital.

- VP / Program Chair Report (Rob):
 - We received a donation of ham and stereo equipment from Barbara N6YXO, which brought a good price on Facebook marketplace.
 - Our guest speaker for December will be Eric Swartz, one of the founders of Elecraft.
 - We will need some additional help with the raffle tickets for the Dream to Reality raffle.

Standing Items

- PAARA members! Our club newsletter, PAARAgaphs, always needs more content. It is ravenous! Please, write up your ham radio memories, technical thoughts, or other ham content, and send to your editor. PAARA thanks you.
 - This month we have an election slate update from Clark KK6ISP.
 - We also have a Jamboree on the Air article from Alice KO6KZO.
 - Doug and Sorin provided information about the Radio Loaner Program to include in the newsletter.
- Education Committee [Darryl]
 - December question of the month: What are the WARC bands? How / when did they originate?
 - We have sent postcards to the new hams in the area for September and October.
 - PAARA in the Park, spring 2026:
 - ♦ We have reserved Cupertino Memorial

(Minutes — Continued on page 4)

(Minutes — Continued from page 3)

Park for Saturday, April 18.

The educational activity is not yet decided, but might be “A Budget Code Practice Oscillator for Morse Code Learners”

- IT Subcommittee Updates [Sorin]
 - Welcome to Jay Vana W6JSV to the webmaster team!
 - The Google Form for new member signup is active, and on the website!
 - We are nearly ready to implement automatic updates to online club roster.
 - The website Sponsors page needs to be updated.
 - A new open source logging software is becoming more popular: <https://polo.ham2k.com/>. Jay Vana W6JSV suggested we make use of the callsign notes feature.

This will be discussed further at future meetings.

- Advertising [Walt]
 - Jameco: Their first ad is included in the November issue. Second ad is ready for December.
 - Micro Center, Central Computer...Bob to follow up in person at the stores.
 - Justin AI6YM is interested in placing a quarter-page ad in PAARAgaphs.

Old Business

- Club Computers:
 - What do we want to do with the old laptops?

We decided to offer our old laptops to club members for a reasonable price.
- Club Election Update [Clark]
 - There is one candidate for each open position. The information has been provided for December PAARAgaphs.

New Business

- Sorin KN6YUH suggested that we issue a (brief) club summary report, to include membership, activities for the year, and a brief financial report. No more than 3 or 4 slides,

presented at the club meeting.

We will target the January club meeting for this. The President will summarize club activities, the Secretary will show membership and trends, and the Treasurer will present the financials.

- Mountain Mike's has changed their hours, and now closes at 10:00 pm. Our after-the-meeting will be held at Round Table Pizza, 702 Colorado Ave, Palo Alto.

The meeting was adjourned at 9:08 pm

Respectfully submitted

Ric Hulett N6AJS

PAARA Secretary

(President — Continued from page 1)

members helped each other and the community by taking down and putting up antennas, organizing POTA and SOTA activations, hosting ham radio luncheons, and donating equipment, time, and expertise to support amateur radio as well as the larger community in which we live.

All of that and more makes me proud to be a part of “The Friendliest Ham Radio Club Around”! As we finish the year, I'd like to thank everyone who contributed to the club this year and made my first year as President memorable, fun, and productive. That starts with the officers and directors, but extends to all the members who contribute time, energy, ideas, and attention to the club. We are successful because we have an active community of members who participate in meetings and club activities, are curious to try new things, and most of all are willing to share their experiences as well as learn from the experiences of others. I'd especially like to personally thank Jim Thielemann, K6SV, our former President, for all the help and guidance he provided me this year in taking on that role. Without Jim's support, this year would have been much more difficult and I'm grateful for his organization, mentorship, and continued guidance.

(President — Continued on page 5)

2025 PAARA Election Info

December is the time for the PAARA Board Election. The Slate is:

President	Bob Ridenour	KN6YGN
Vice President	Rob Fenn	KC6TYD
Secretary	Ric Hulett	N6AJS
Treasurer	Margaret Cooper	K6WEK
Director (2 year)	Sorin Constantinescu	KN6YUH
Director (1 year)	Doug Teter	KG6LWE
Director (1 year)	Darryl Presley	KI6LDM

Voting is open to any PAARA member physically present at the meeting, no Zoom voting. To vote, go to the back of the room. After verifying your membership, by way of your call sign, Clark will hand you a ballot. Fill out the ballot, fold it, and put it through the slot in the vote box. You may vote for as many or as few positions as you wish. There are no write-in candidates allowed.

Voting will open shortly after the meeting starts and continue through the break. Voting will close at the end of the break. After voting closes, the election committee, Clark (KK6ISP), Kieth Swaney (K1OKS) and Shri Hariharasubrahmanian (KA6Q) will count the ballots. Voting results will be announced after the raffle.

(President — Continued from page 4)

I will provide a bit more comprehensive year-end review of 2025 at the January meeting, along with short presentations by the Treasurer and Secretary.

In the meantime, as we enter the holiday season, what is on your wish list? Are you hoping to get an upgrade, acquire a new antenna, or perhaps a new radio? Perhaps one of your wishes can come true at the December meeting! Dream to Reality raffle! We'll have an Elecraft KX3 portable HF radio as the grand prize along with Eric Swartz, WA6HHQ, Elecraft's COO as our speaker to tell us all about what's happening at Elecraft and answer questions. If your wish is a little more aspirational, perhaps you can explain it to Eric at the meeting and, who knows, maybe your wish will come true next year or the year after embodied in a new Elecraft product! Hope springs eternal, but sometimes applied science can give a helping hand.

In addition, PAARA elections will take place at the December meeting. You must be present in person to vote. Look elsewhere in this issue for the complete slate of candidates and for information on the voting procedure.

For the December meeting, we will have coffee

as usual, but I will also bring some mulled hot cider to put us in a festive mood. If you have a seasonal treat that you'd like to share from your own holiday tradition, I encourage you to bring it to the meeting! Don't feel like you must bring enough to feed everyone or make something from scratch – if several people bring a little something, we'll have a nice representative assortment of festive snacks for a year end meeting celebration! I hope to see you all there on December 5th, either IRL or on Zoom! If you're there in person, please join us after the meeting for pizza. Because Mountain Mike's has changed their hours on Friday nights, we're moving to Round Table Pizza at 702 Colorado Ave in Palo Alto – just a short drive north on Middlefield Road from Cubberly Community Center where the meeting is located. If you're not sure where it is, please ask at the meeting. We'd love for you to join us!

Happy Holidays! Let's have another great year in 2026!

73, Bob KN6YGN

Get on the air to keep the airwaves alive!

PAARA **RAFFLE** 439073

DECEMBER DREAM TO REALITY RAFFLE IS BACK

WHEN: DECEMBER 5, 2026

Where: During the PAARA general meeting



The Grand Prize is the Elecraft KX3!

2nd Prize: Retevis RA89 Ham Radio

3rd Prize: Wera Kraffform Kompakt screwdriver set

4th Prize: Wagner Spraytech 0503059 FURNO 300 Heat Gun

5th Prize: PAARA 2025 Field Day T-shirt OR WUBEN G5 Rechargeable EDC Flashlight

NO internet sales are allowed by the State, this is an in-person-only event.
 See www.PAARA.org for more meeting Info.



November Raffle Winners (left to right)

Ben (KN6UBF), Alice (KO6KZO),
 Bob (KN6YGN), Lawrence (KO6KCF)

PAARA HF Rig Loaner Program

The Palo Alto Amateur Radio Association (PAARA) offers an HF rig loaner program to help new General Class amateur radio operators get active on the HF bands. The program has two club-owned radios available for loan: a Yaesu FT-920 and an Icom IC-7300. The loan period is for six months, with the possibility of an extension if no one else is waiting to borrow a radio.

The loaner package includes the radio, a power supply, and a microphone. However, the borrower is responsible for providing their own antenna, tuner, and feedline. Any PAARA club member who is interested in borrowing a radio can get in touch with the program coordinators, Doug (KG6LWE) or Ric (N6AJS), by emailing radioloan@paara.org. For pictures and more, please check <https://paara.org/loan.html>.

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

President	Bob Ridenour, KN6YGN	650-575-4528
	kn6ygn@paara.org	
Vice President.....	Rob Fenn, KC6TYD	650-888-9060
	kc6tyd@paara.org	
Secretary.....	Ric Hulett, N6AJS	408-332-4593
	n6ajs@paara.org	
Treasurer	Margaret Cooper, K6WEK	
	k6wek@paara.org	

Directors

Director ('24-'25)	Sorin Constantinescu, KN6YUH,	
	kn6yuh@paara.org	
Director ('25-'26)	Walt Gyger, K6WGY	408-921-5901
	k6wgy@paara.org	
Director ('25)	Doug Teter, KG6LWE	650-743-7892
	kg6lwe@paara.org	
Director ('25)	Darryl Presley, KI6LDM	650 255-2454
	ki6ldm@paara.org	

Appointed Positions

Membership	Ric Hulett, N6AJS	408-332-4593
	n6ajs@paara.org	
Database.....	Ric Hulett, N6AJS	408-332-4593
	n6ajs@paara.org	
Station Trustee.....	K6OTA SORIN CONSTANTINESCU,	
	KN6YUH	
Property Manager	Doug Teter, KG6LWE	
Badge Coordinator.....	Doug Teter, KG6LWE	650-743-7892
	kg6lwe@paara.org	
Raffle Coordinator.....	Rob Fenn, KC6TYD,	
	kc6tyd@paara.org	
Field Day Coordinator.....	Doug Teter, KG6LWE	650-743-7892
ASVARO Rep	Clark Martin, KK6ISP	
	kk6isp@sonic.net	
Webmasters.....	webmaster@paara.org	
Technical Coordinator.....	Christopher, AI6KG	408-348-0304
	ch@murgatroid.com	
QSL Manager.....	Ric Hulett, N6AJS	408-332-4593
Speaker Coordinator... ..	Rob Fenn, kc6tyd	650-888-9060

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	Bob Ridenour KN6YGN	Doug Teter KG6LWE
	Sorin Constantinescu KN6YUH	
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	k6wgy@paara.org	
Technical Tips.....	Ric Hulett, N6AJS	

VE Exams

De Anza Park, Sunnyvale, 2nd Saturday 10:30 am each month except November and December. See website for details and exceptions: <http://amateur-radio.org>

Electronics Flea Market (EFM)

Sponsorship: Association of Silicon Valley Amateur Radio Organizations (ASVARO). The Electronics Flea Market is held at West Valley College, 14000 Fruitvale Ave, Saratoga.

Website: <http://www.electronicfleamarket.com/>

PAARA — Palo Alto Amateur Radio Association

Meets 1st Friday 7:00pm each month at Room H-6, Cubberley Community Center; Net 145.230 - PL 100Hz Mondays at 8:30. See website at <http://www.paara.org>. For more information. contact: Joel Wilhite KD6W, kd6w@arri.net, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:00pm at Covington School, Los Altos.

Website: <http://www.fars.k6ya.org>

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:00pm each month, Repeater for member info 147.360. Contact president@ncdxc.org. Website: <http://ncdxc.org>. YouTube content: "The Northern California DX Club Official Channel". Cohost of the International DX Convention.

The 50MHz & Up Group of Northern California

This organization specializes in vhf + wak signal and microwave activities. Meetings are held on the first Tuesday of each month. Time is usually 5pm for in person meetings, and 7pm for Zoom only meetings. In person meetings are held Sports Basement, 1177 Kern Ave, Sunnyvale. Always check the website, <http://50MhzandUp.org>, for correct information. Zoom information is also there.

San Mateo Radio Club W6UQ.ORG

Meets, 3rd Friday, January through November. Tuesdays & Thursdays, [Directed] Net, 7pm, N6ZX 145.370Hz, -600KHz, PL107.2Hz
Contact: SanMateoRadioClub@gmail.com, Website: <http://W6UQ.org/calendar>

SPECS

Southern Peninsula Emergency Communication System users Group

Meets each Monday 7:30pm and 8:00pm.
See: <https://specsnet.org/monday-night-net> for more info.
Contact: <https://www.specsnet.org/contact> or board@specsnet.org

SCARES

South County Amateur Radio Emergency Service

Meets 3rd Thursday 7:30pm each month, Belmont EOC, Belmont City Hall, One Twin Pines Lane, Belmont CA 94002. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings. Contact: President Gary D. Aden, K6GDA 650-743-1265 (D), 650-595-5590 (N)
Web: <http://k6mpn.org> E-mail: pres@k6mpn.org

SCCARA

Santa Clara County Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.985-pl
Nets: 2m, 7:30pm Mon; 70cm, 10M (28.385) 8PM Thur.
Meets 2nd Mon each month @ 7:30 PM.
ARRL/VEC license testing contact 408-507-4698

SVECS — Silicon Valley Emergency Communications

Operates AA6BT repeater (146.115 MHz+)
Website: <http://www.svecs.net> or contact: Lou Stierer WA6QYS 408 241 7999

WVARA — West Valley Amateur Radio Association

W6PIY six-meter repeater on 52.58MHz. Normally, six-meters is linked with 147 and 223, while 441 and 1286 repeaters are linked.

VHF: 52.58 (-500) 151.4 ctcss UHF: 441.35 (+5.0) 88.5 ctcss
147.39 (+600) 151.4 ctcss 223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss

Meetings are 2nd Wednesday of every month except July, August and December.

Website: <http://wvara.org>, Contact: info@wvara.org

(Please send changes to PAARAgaphs editor)

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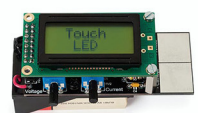
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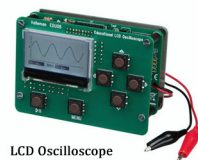
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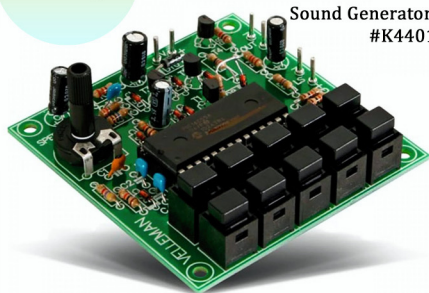
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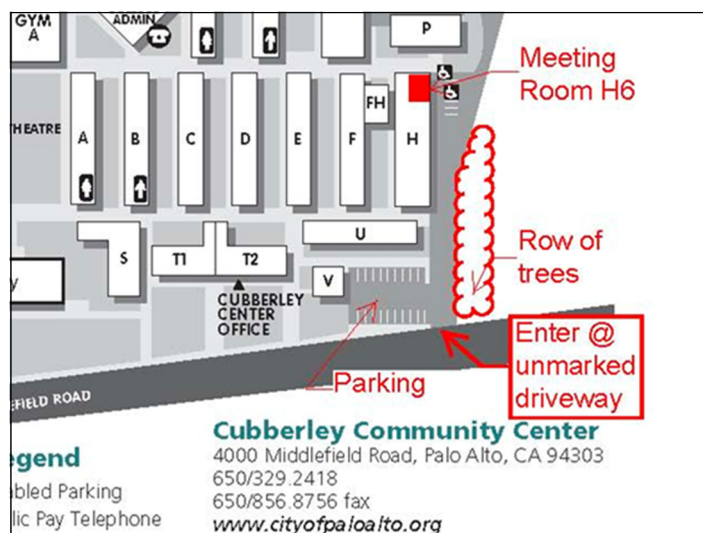
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Palo Alto Amateur Radio Association P.O. Box 911, Menlo Park California 94026-0911

Club meetings are on the first Friday of each month,
7:00pm at the Room H-6, Cubberley Community Center.

Radio NET & Swap Session every Monday evening, at
8:30pm, on the 145.230 –600 MHz repeater, PL 100Hz.

Membership in PAARA is \$25.00 per calendar year,
which includes one subscription to PAARAgaphs
\$6 for each additional family member (no newsletter).

Make payment to the
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PAARA Weekly Radio Net

Info and Swap Session
every Monday evening at 8:30pm
on the N6NFI 145.230 MHz repeater

Week Control Operator

1 st	Doug - KG6LWE
2 nd	Doug - KG6LWE
3 rd	Ric - N6AJS
4 th	Rob - KC6TYD
5 th	Rob - KC6TYD

If you're interested in trying out at Net Control, Con-
tact Doug, KG6LWE. It's good practice, and lots
o' fun! Give it a try.

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UHF DMR	444.475 MHz +5 MHz CC1	Slot 1: Dynamic Slot 2: NorCal BM (31068)
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PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). **All ad rates listed are per issue.**

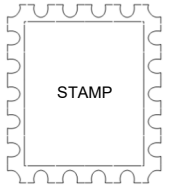
- Not-for-profit ads by association members for ham-related items and wants. No cost for business card-size ads (additional space at \$2.50 per business card size per issue).
- For Profit organizations and/or individuals: \$5-business card size, \$14.00-quarter page, \$25-half page, \$50 full page or back cover per issue.

These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association. The PAARAgaphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association.

All fees payable in advance by the year with "scanner-ready" copy or text-only ads. **Give payment and copy to Walt Gyger, K6WGY.**

PAARAgaphs — December 2025

Accept no substitutes. Produced and printed in California USA



Palo Alto Amateur Radio Association, Inc.
PAARAgaphs Newsletter
P.O. Box 911
Menlo Park, California 94026

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***Free Shipping and Fast Delivery!**



FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Unparalleled 70 dB Max Attenuation VC-Tune • New Generation Scope Display, 30SS • 40/100kHz Band Indication • MPD (Multi-Purpose) VFO Driver Duo • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Spacer



FT-710 Aess | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-inch TFT Color Touch Display • AES3 Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/2-Stage Parametric Equalizer • Remote Operation w/Optional LAN Unit (SD-LAN10)



FT-891 | HF-50 MHz All Mode Mobile Transceiver

- Stable 100 Watt Output • 32 dB IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Simple Cable • CAT Control, PTT RTTY Control



FT-3185RASP | Heavy-Duty 85W 2M FM Transceiver

- Massive HeatSink Ensures Reliable 85W RF Power • Super-DX Function Increases Receiver Sensitivity & Weak Signal Reception • 221 Memory Channels • Large 5-Chance Alpha-Numeric Display



FTM-150RASP | 2M/430MHz FM True Dual Band Xciv

- Dual Receivers Showing V-U, U-U, V-U, U-V Operator • 55W VHF & 50W UHF • Heavy Duty Heat Sink w/Vertical Air Convection Conductor • Front & Rear Body Speaker for 6W High Quality Audio



FTDX101D | HF & 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled -70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + 6EH 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



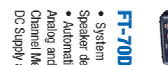
FTM-510DRASP | C4FM/FM 144/430MHz Dual Band Xciv

- New Super-DX & ACP Inducto Digital Signal Processor Unit • True Dual Band Receiver (V-U/U-U, U-V/U-U, U-V) • C4FM/C4M Digital D-D Dual Receiver • 2.4" High-Res Full-Color Touch-Pane Display • Wireless Operation Capability with Optional Bluetooth® Header



FT-60R | HF/UHF Rugged Dual Band

- Over 1000 Memory Channels • Wide Bank Receiver Coverage • High Power Output 5 Watts • High LCD Display • NOAA Severe Weather Alert with Alert Scan



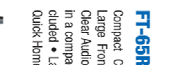
FT-70DR C4FM/FM 144/430MHz Xciv

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select: detects C4FM or FM Audio and Switches Accordingly • 1000+ Channels Memory Capacity • External DC Jack for DC Supply and Battery Charging



FT-5DR C4FM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-in Bluetooth® Unit • Built-in High Precision GPS Antenna • 1200/800bps AFSK Data Communications • Supports Simultaneous C4FM Digital & Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Portable RF Power With-in a compact Body • 3.5-Hour Rapid Charge Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



VX-6R | HF/UHF Dual Band Hand-Held

- Big-Radio Features in a Compact Package • Wide-Band Receiver Coverage for Catching All the Action • 900-Channel 24-Bank Memory System • Outdoor-Ready Features Including Waterproof Rating • Smart Scan Automatic 51-Channel Scanning Loading System

5 Wags to Shop!

• RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
• PHONE - Toll-free phone hours 8:30AM - 5:30PM
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• FAX - All store locations
• MAIL - All store locations

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